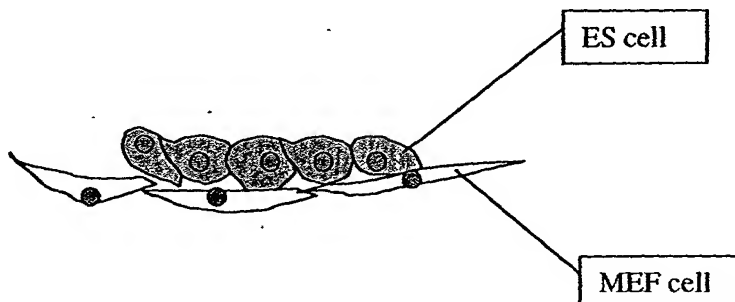


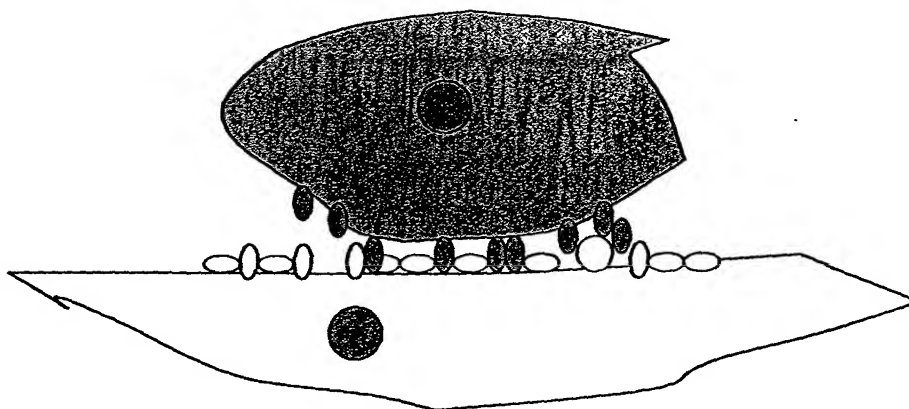
Title: METHOD FOR IDENTIFYING INTERCELLULAR PROTEIN FACTORS  
Inventor(s): Thomson/Xu  
Application No.:  
Docket Number: 960296.97923

1/3

**PHAGE DISPLAY SCREENING FOR MEF-PRODUCED PEPTIDES  
THAT SPECIFICALLY BIND RHESUS ES CELL SURFACE**



Major headache for primate ES cell culture:  
Dependence on the mouse embryonic fibroblast (MEF) feeder layer



The essential factor(s) produced by MEF are **not secreted**, and thus are either membrane bound or are tightly attached to the cell matrix.

**FIG 1**

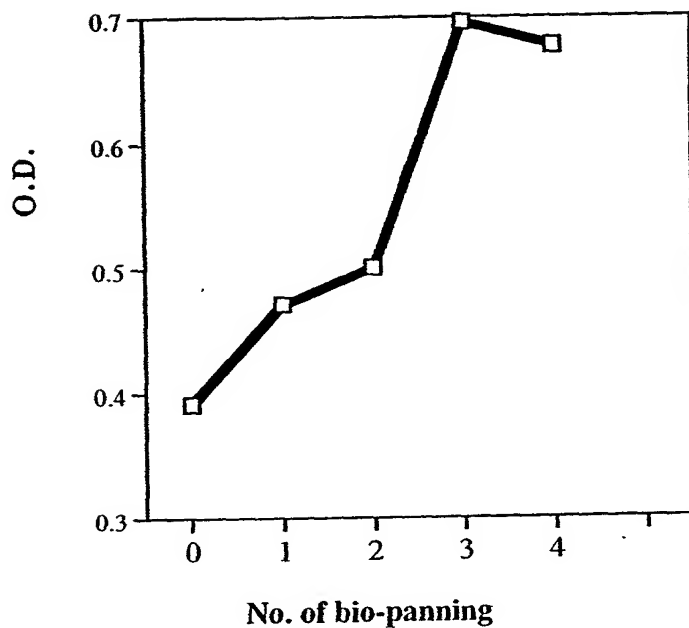
Title: METHOD FOR IDENTIFYING INTERCELLULAR PROTEIN FACTORS

Inventor(s): Thomson/Xu

Application No.:

Docket Number: 960296.97923

2/3



**Bio-panning of RES cDNA phage on MEF cells. The bound phage were quantitated by ELISA with HRP-conjugated anti-T7 antibody.**

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**FIG 2**

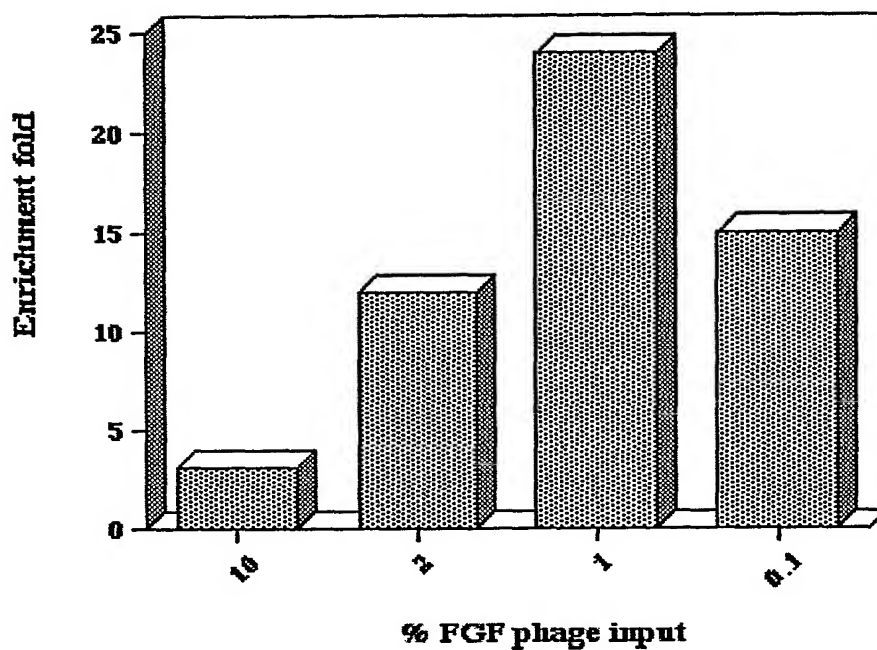
Title: METHOD FOR IDENTIFYING INTERCELLULAR PROTEIN FACTORS

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Enrichment of FGF phage from  
mixture with WT phage after 1st  
biopanning on HES cells

FIG 3